

### **REMARKS**

Claims 1-5 have been amended and are pending in this application. Reconsideration and allowance of the present application based on the following remarks are respectfully requested.

#### ***Claim Rejections Under 35 U.S.C. § 112***

Claims 1-5 were rejected under 35 U.S.C. § 112, second paragraph. Applicants have amended the claims to correct the informalities identified by the Examiner. Furthermore, Applicants respectfully submit that the terms recited in claim 1 are clearly described in the originally filed specification. Accordingly, Applicants respectfully request reconsideration and withdrawal of this rejection.

#### ***Claim Rejections Under 35 U.S.C. § 103***

Claims 1-5 were rejected under 35 U.S.C. § 103(a) over Aoyama et al. (EP 1 146 589). Applicants respectfully traverse this rejection.

Claim 1 recites a radiation patch equipped in a planar inverted F antenna for radiating applied signals, wherein the radiation patch has an asymmetrical shape resembling a linearly tapered rectangle and a length and width of tapered sides of the radiation patch is determined according to a desired resonant frequency.

In contrast, Aoyama discloses a planar chip antenna 13 which extends from a rear end to a tip end with a width decreasing substantially continuously or stepwise. Aoyama does not teach or suggest a radiation patch has an asymmetrical shape resembling a linearly tapered rectangle and a length and width of tapered sides of the radiation patch is determined according to a desired resonant frequency, as recited in claim 1. Specifically, Aoyama fails to teach that the chip antenna includes a length and width of the tapered sides that is determined according to a desired resonant frequency. As disclosed in the originally filed specification of Applicants' invention, Lp and Wp are adjusted according to a desired resonant frequency. There is no such disclosure in Aoyama.

Accordingly, Aoyama fails to teach or suggest, a radiation patch equipped in a planar inverted F antenna for radiating applied signals, wherein the radiation patch has an asymmetrical shape resembling a linearly tapered rectangle and a length and width of tapered sides of the radiation patch is determined according to a desired resonant frequency, as recited in claim 1.

Claims 2 and 3 are believed allowable for at least the same reasons presented above with respect to claim 1 since claims 2 and 3 recite features that are similar to the features of claim 1 discussed above.

Claims 4 and 5 are believed allowable for at least the same reasons presented above with respect to claim 3 by virtue of their dependence upon claim 3. Accordingly, Applicants respectfully request reconsideration and withdrawal of this rejection.

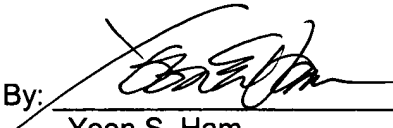
**Conclusion**

Therefore, all objections and rejections having been addressed, it is respectfully submitted that the present application is in a condition for allowance and a Notice to that effect is earnestly solicited.

Should any issues remain unresolved, the Examiner is encouraged to contact the undersigned attorney for Applicants at the telephone number indicated below in order to expeditiously resolve any remaining issues.

Respectfully submitted,

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